Earth Science

Onboard Processing and Autonomous Data Acquisition for the DESDynI Mission

Completed Technology Project (2009 - 2013)

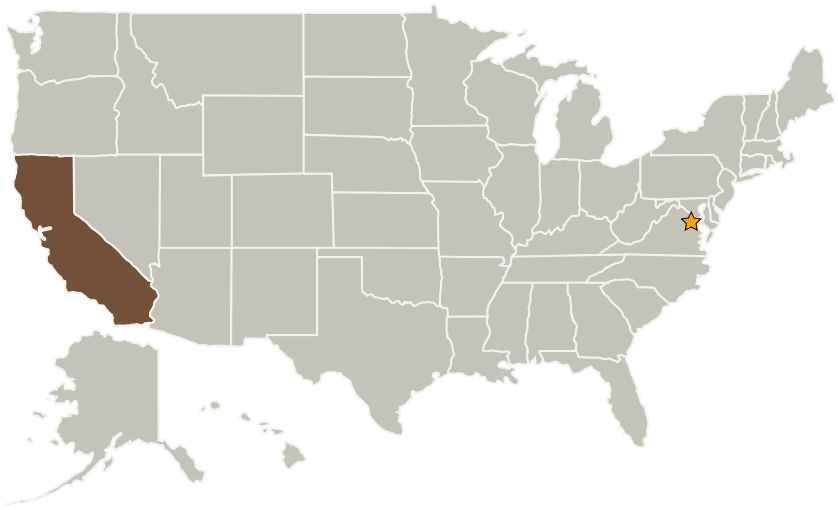
Project Introduction

N/A

Anticipated Benefits

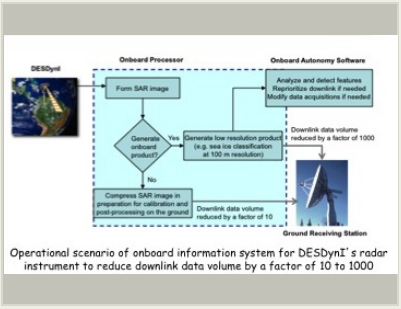
N/A

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★NASA Headquarters(HQ)	Lead Organization	NASA Center	Washington, District of Columbia

Primary U.S. Work Locations
California



Operational scenario of onboard information system for DESDynI's radar instrument to reduce downlink data volume by a factor of 10 to 1000

Project Image Onboard Processing and Autonomous Data Acquisition for the DESDynI Mission

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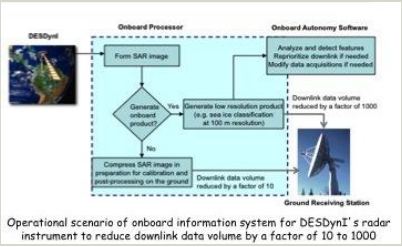
Images



Operational scenario of onboard information system for DESDynI's radar instrument to reduce downlink data volume by a factor of 10 to 1000

10954-1360165889927.jpg
Project Image Onboard Processing and Autonomous Data Acquisition for the DESDynI Mission *(https://techport.nasa.gov/image/1595)*

Organizational Responsibility

Responsible Mission Directorate:
Science Mission Directorate (SMD)

Lead Center / Facility:
NASA Headquarters (HQ)

Responsible Program:
Earth Science

Project Management

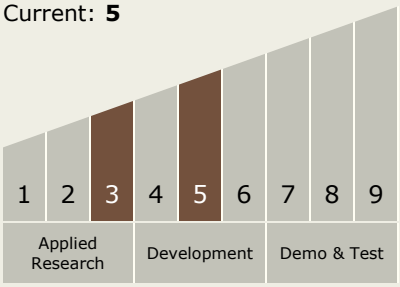
Program Director:
George J Komar

Project Manager:
Michael S Seablom

Principal Investigator:
Yunling Lou

Technology Maturity (TRL)

Start: **3**
Current: **5**



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Completed Technology Project (2009 - 2013)

Technology Areas

Primary:

- TX11 Software, Modeling, Simulation, and Information Processing
  - TX11.6 Ground Computing
    - TX11.6.3 Exascale Supercomputer File System

Target Destination

Earth